## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 28 October 2004 (28.10.2004)

**PCT** 

## (10) International Publication Number WO 2004/091567 A2

(51) International Patent Classification<sup>7</sup>:

A61K 7/48

(21) International Application Number:

PCT/EP2004/003090

- (22) International Filing Date: 24 March 2004 (24.03.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/463,726

18 April 2003 (18.04.2003) US

- (71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BUCHHOLZ, Herwig [DE/DE]; Dielmannstrasse 33, 60599 Frankfurt (DE). BICARD-BENHAMOU, Valerie [FR/DE]; Strohweg 15, 64297 Darmstadt (DE). BRUNNER, Marcus [DE/DE]; Karl-Marx-Strasse 5, 64589 Stockstadt (DE).
- (74) Common Representative: MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FORMULATIONS

(57) Abstract: The present invention relates to formulations for topical applications comprising pigments obtainable by agitating a suspension comprising one or more inorganic pigments and silver oxide, in order to reduce undesirable side effects caused by microorganisms.